

Table 5a: "Before" Travel Time Studies-North 48th Street ("O" Street-Superior Street)

"BEFORE"	AM Peak 7:00 AM – 8:30 AM		Midday 11:00 AM – 1:00 PM		PM Peak 4:00 PM – 6:00 PM	
Date of Study Day 1: Day 2:	Fri., 1/28/00 Mon., 1/31/00		Wed., 2/9/00 Tue., 2/15/00		Wed., 2/9/00 Mon., 2/14/00	
Travel Time Statistic	NB¹	SB	NB ²	SB ²	NB¹	SB
Average Travel Time (sec)	406.2	456.8	413.2	460.5	567.6	643.7
Standard Deviation (sec)	9.8	54.5	30.0	61.1	46.3	58.2
Average Number of Stops	2.4	4.1	2.6	3.7	6.0	7.3
Average Speed (mph)	26.5	23.6	26.1	23.4	19.0	16.7
Standard Deviation (mph)	0.6	2.8	2.2	3.2	1.5	1.7
95% Confidence Interval (mph)	0.6	2.3	1.7	2.2	1.2	1.4
Average Speeds Within This Range (mph) ³ Lower Limit: Upper Limit:	25.9 27.1	21.3 25.9	24.4 27.8	21.3 25.6	17.8 20.2	15.3 18.1
Time Duration Below: 0 mph 7 mph 28 mph	32.3 46.1 162.9	67.5 90.4 224.7	59.7 74.6 156.3	78.1 98.3 210.2	151.3 184.4 348.2	192.9 240.4 450.2
Average Delay (sec)	83.9	133.1	90.3	134.1	238.9	315.3
Number of Runs	6 ⁴	8	9	11	9	8
Length (feet)	15,807	15,800	15,822	15,811	15,818	15,804

¹Bolded direction indicates the direction of traffic which is favored by signal timings.

²Neither direction is significantly favored by existing signal timings.

³Limits of the range of average speed calculated based on the 95% confidence interval.

⁴Due to equipment malfunction, only six (6) runs were conducted for this direction.

Note: Posted Speed Limit: "O" Street – Leighton Ave. = 35 mph

Leighton Ave. – Adams Street = 25 mph

Adams Street – Superior Street = 35 mph

Ideal Travel Time = 325.4 seconds (5 minutes 25.4 seconds)